

Product datasheet for **SC330235**

FRMD3 (NM_001244961) Human Untagged Clone

Product data:

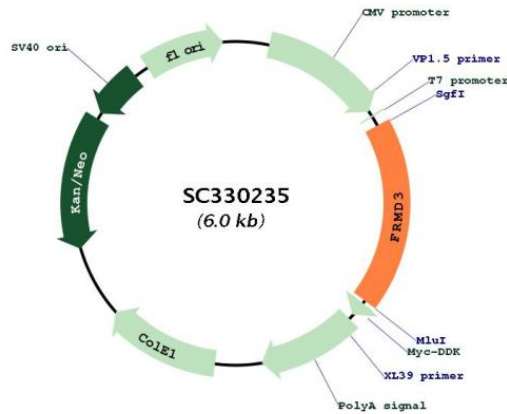
Product Type: Expression Plasmids
Product Name: FRMD3 (NM_001244961) Human Untagged Clone
Tag: Tag Free
Symbol: FRMD3
Synonyms: 4.1O; EPB41L4O; EPB41LO; P41O
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330235 representing NM_001244961.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTGTT CAGAAGGGGGCAGAGCCACCAGTTGCTGAATTTAACTTGCTCCTGAAAGCTCACACTTTG
GAAACCTACGGGGTGGATCCTCACCCATGCAAGGATTCAACAGGCACAACAACATTTTTAGGATTCACA
GCTGCAGGCTTTGTGGTCTTTCAGGGAAATAAGAGAATCCATTTGATAAAATGGCCAGATGTCTGCAAA
TTGAAGTTTGAAGGGAAGACATTTTATGTGATTGGCACCCAGAAGGAGAAAAAGCCATGTTGGCATTTC
CATACTTCAACACCAGCTGCCTGCAAACATCTTGGAAAGTGTGGAGTGGAAAACCAGGCCTTTTATAAG
TATGCAAAATCCAGTCAGATCAAGACTGTATCAAGCAGCAAGATATTTTTAAAGGAAGTAGATTTCGA
TATAGTGGGAAAGTTGCCAAGAGGTGGTGGAGGCCAGTTCCAAGATCCAGAGGGAGCCTCCTGAGGTG
CACAGAGCCAACATTACTCAGAGCCGAGTTCCTCACTCCTTGAACAAACAGCTCATCATTAAACATGGAA
CCCCTGCAGCCCCTGCTTCTTCCCCCAGCGAGCAAGAAGAAGAACTTCTCTGGGTGAGGGTGTCCA
TTGCCTAAAGAGGAGAACATTTCTGCTCCCTTGATCTCCAGCTCCCCAGTGAAGGCAGCCCGGGAGTAT
GAAGATCCCCCTAGTGAAGAGGAAGATAAAATAAAGAAGAACCTTTAACCATCTCTGAAGTAGTGATAC
AACCAAGTGCCAGCCTGCTCCCCACCCTGTGGATGACGATGAGATTGACATGCTCTTTGACTGTCTT
TCTAGGCTTGAAGTGGAAAGAGAAGACACAGATTCATTTGAGGATCTGGAAGCAGATGAAAACGCCTTT
TTGATTGCTGAAGAAGAGGAGCTGAAGGAGGCTCGCCGTCTTTGTCGTGGAGCTATGACATTCTGACT
GGCCATATTCGGGTGAACCCACTGGTCAAGAGTTTTTCCAGGCTCCTTGTGGTGGCCTGGGACTGCTG
CTCTTTGTATTTCCCCTGCTCCTCCTCTTTGGAGTCAGTCTCCATGCAGTAA
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Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001244961

Insert Size: 1089 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001244961.1](#)

RefSeq Size: 1415 bp

RefSeq ORF: 1089 bp

Locus ID: 257019

UniProt ID: [A2A2Y4](#)

Cytogenetics: 9q21.32

Protein Families: Transmembrane

MW: 40.7 kDa

Gene Summary: The protein encoded by this gene is a single pass membrane protein primarily found in ovaries. A similar protein in erythrocytes helps determine the shape of red blood cells, but the function of the encoded protein has not been determined. There is some evidence that this is a tumor suppressor gene, and there is also evidence linking defects in this gene to susceptibility to diabetic nephropathy in type 1 diabetes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
Transcript Variant: This variant (4) lacks the first exon compared to variant 1 and has an alternate, downstream first exon instead. It also uses an alternate splice junction at the 3' end of an exon and has an alternate 3' terminal exon compared to variant 1. The resulting isoform (4) has shorter and distinct N and C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.